## WHAT IS CLAIMED IS:

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1. A method of providing an antiandrogen to a host determined to be in need thereof, the method comprising the steps of:

contacting the host with an effective amount of an antiandrogenic, optionally substituted 3,3'-diindolylmethane (DIM); and

detecting a resultant antiandrogenic response in the host.

- 2. The method of claim 1 wherein the method further comprises, prior to the contacting step, determining that the host is in need of the antiandrogen.
  - 3. The method of claim 1 wherein the host is a human patient determined to be subject or predisposed to an androgen-dependent pathology, and the resultant antiandrogenic response is a reduction in the pathology or progress of the pathology.
- 4. The method of claim 1 wherein the host is a human patient determined to be subject or predisposed to an androgen-dependent pathology selected from the group consisting of prostate hyperplasia, acne, androgenetic alopecia and hirsutism, and the resultant antiandrogenic response is a reduction in the pathology or progress of the pathology.
- 5. The method of claim 4 wherein the patient is determined to be subject to prostate cancer.
- 6. The method of claim 4 wherein the patient is determined to be predisposed to prostate cancer.
- 7. The method of claim 1 wherein the optionally substituted 3,3'-diindolylmethane has the formula:

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where R.sub.1, R.sub.2, R.sub.4, R.sub.5, R.sub.6, R.sub.7, R.sub.1', R.sub.2', R.sub.4', R.sub.5', R.sub.6' and R.sub.7' individually and independently, are hydrogen or a substituent selected from the group consisting of a halogen, a hydroxyl, a linear or branched alkyl or alkoxy group of one to ten carbons, and a nitro group.

- 8. The method of claim 7 wherein R.sub.1, R.sub.2, R.sub.4, R.sub.5, R.sub.6, R.sub.7, R.sub.1', R.sub.2', R.sub.4', R.sub.5', R.sub.6' and R.sub.7' include a substituent selected from the group consisting of a halogen, a hydroxyl, a linear or branched alkyl or alkoxy group of one to ten carbons, and a nitro group.
- 9. The method of claim 8 wherein the linear or branched alkyl or alkoxy group is one to five carbons.
- 10. The method of claim 8 wherein the halogen is selected from the group consisting of chlorine, bromine and fluorine.
- 11. The method of claim 8, wherein R.sub.1, R.sub.2, R.sub.4, R.sub.6, R.sub.7, R.sub.1',
  R.sub.2', R.sub.4', R.sub.6', and R.sub.7' are hydrogen, and R.sub.5 and R.sub.5' are a halogen.
  - 12. The method of claim 8, wherein R.sub.2, R.sub.4, R.sub.5, R.sub.6, R.sub.7, R.sub. 2', R.sub.4', R.sub.5', R.sub.6', and R.sub.7' are hydrogen, and R.sub.1 and R.sub.1' are an alkyl or alkoxyl having from one to ten carbons.

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- 13. The method of claim 8, wherein R.sub.1, R.sub.4, R.sub.5, R.sub.6, R.sub.7, R.sub.1', R.sub.4', R.sub.5', R.sub.6', and R.sub.7' are hydrogen, and R.sub.2 and R.sub.2' are an alkyl of one to ten carbons.
- 5 14. The method of claim 8, wherein R.sub.1, R.sub.2, R.sub.4, R.sub.6, R.sub.7, R.sub.1', R.sub.2', R.sub.4', R.sub.6', and R.sub.7' are hydrogen, and R.sub.5 and R.sub.5' are nitro.

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- 15. The method of claim 1 wherein the optionally substituted 3,3'-diindolylmethane is 3,3'-diindolylmethane.
- 16. The method of claim 3 wherein the optionally substituted 3,3'-diindolylmethane is 3,3'-diindolylmethane.
- 17. The method of claim 4 wherein the optionally substituted 3,3'-diindolylmethane is 3,3'-diindolylmethane.
  - 18. The method of claim 5 wherein the optionally substituted 3,3'-diindolylmethane is 3,3'-diindolylmethane.
- 20 19. The method of claim 6 wherein the optionally substituted 3,3'-diindolylmethane is 3,3'-diindolylmethane.
  - 20. The method of claim 4 wherein the optionally substituted 3,3'-diindolylmethane is perfluoro-3,3'-diindolylmethane.
  - 21. The method of claim 5 wherein the optionally substituted 3,3'-diindolylmethane is perfluoro-3,3'-diindolylmethane.
- 22. The method of claim 6 wherein the optionally substituted 3,3'-diindolylmethane is perfluoro-3,3'-diindolylmethane.

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